



**Section:-** 4, Engine

**Subject:-** Removing and  
Installing Radiator

**Effective on:-** Types 400

**Car Publication No. 503**

**Service Bulletin No. 11**

**No. of Sheets 1. Sheet No. 1**

REMOVING AND INSTALLING RADIATOR.

To remove the radiator proceed as follows:-

1. Remove bonnet
2. Drain water from radiator by opening the drain cock at its base, on the right-hand side, and from the cylinder block by opening the drain cock at the rear of the cylinder block on the left-hand side.
3. Remove the hose connections from radiator and engine.
4. Jack up front of car.
5. Remove radiator grille.
6. Working through the open grille, disconnect the thermostat linkage.
7. Remove radiator cowl bottom diaphragm.
8. Remove the air filter manifold. (This is unnecessary if the engine is Type 85, which has the single carburettor installation.)  
NOTE: It is advisable when removing the air filter manifold to leave the filter body attached to the engine.  
If the air filter body is removed with the manifold, great care must be taken to ensure that the shim behind the distributor drive housing is not misplaced or lost.
9. If the engine is fitted with three S.U. carburettors, remove the float chamber of the starting carburettor.
10. Slacken the dynamo mounting bolts and remove the fan belt, then remove the dynamo.
11. Remove the water pump.
12. Remove the two 7/16in. Simmonds nuts attaching the radiator to the mounting brackets. Lift the radiator clear of the car, care being taken not to damage the honeycomb, or to lose the rubber mounting pads. (see next para. (13))
13. On some cars it may be found necessary at this stage to remove the front bonnet (catch) brackets, in which instance the front wheels must first be removed to give access to the fixing bolts.

P.T.O.

To install the radiator proceed as follows:-

14. Ensure that the rubber mounting pads are in position on the mounting brackets. Position the radiator with its two studs engaging with the holes provided in the mounting brackets.
15. Secure the radiator in position by screwing up the two 7/16in. Simmonds nuts on the fixing studs evenly, ensuring that both rubber mounting pads are depressed equally.
16. Working through the open grille, connect up the thermostat linkage.
17. Attach the hose connections to the radiator and engine.
18. Attach the water pump, using NEW gaskets, which should be lightly smeared with grease, Silvertown G.G.6, or Intava 659.
19. Replace the dynamo, fit the fan belt and adjust it to the correct tension by moving the dynamo body. Tighten the dynamo mounting bolts.
20. If the engine has the three S.U. carburetter installation, replace the float chamber of the starting carburetter. Ensure that a minimum clearance of  $\frac{1}{4}$ in. is provided between the starter carburetter solenoid and the radiator header tank.
21. Replace the air filter manifold, (see note on removing, para.8.)
22. Fit the radiator cowl bottom diaphragm.
23. Fit the radiator grille.
24. If the bonnet (catch) brackets have been removed, these should now be replaced. Replace the front wheels.
25. Lower the front of the car.
26. Close the drain cocks of both radiator and cylinder block, and fill the cooling system with water.
27. Replace bonnet.